

TITLE

HIGH SPEED MELT SPINNING OF FLUOROPOLYMER FIBERS

ABSTRACT OF THE DISCLOSURE

The processes and apparatus of the present invention concerns
5 melt spinning high viscosity fluoropolymers into single filaments or multi-
filament yarns at high spinning speeds, the melt spinning being carried out
at a temperature which is at least 90°C greater than the melting point of
the polymer or in the case of perfluoropolymer, at a temperature of at least
450°C, and the yarns produced by the process, wherein the filaments can
10 exhibit an orientation at the surface of the filament no greater than at the
core of the filament.